

## ABSTRACT OF THE DISCLOSURE

A protective cover of a gas sensor includes an inner protective cover which covers at least an end portion of a sensor element, an outer protective cover which covers the inner protective cover, and an intermediate protective cover which is installed between the inner protective cover and the outer protective cover.  $A_1/A_2 \geq 1$  provided that  $A_1$  represents a total opening area of the inner gas inlet holes provided for the inner protective cover, and  $A_2$  represents a total opening area of the outer gas inlet holes provided for the outer protective cover.